## **APTITUDE**

1. A school has four sections A, B, C and D of Class IX students. The results of half-yearly and annual examinations are shown in the table given under:

| Davida   | No of Students |           |           |           |
|--|----------------|-----------|-----------|-----------|
| Results  | Section A      | Section B | Section C | Section D |
| Students failed in both the examinations                             | 28             | 23        | 17        | 27        |
| Students failed in half-yearly but passed in the annual examinations | 14             | 12        | 8         | 13        |
| Students passed in half-yearly but failed in the annual examinations | 6              | 17        | 9         | 15        |
| Students passed in both examinations                                 | 64             | 55        | 46        | 76        |

If the number of students passing an examination be considered as a criteria for comparison of difficulty level of the two examinations, which of the following statements is true in this context?

- A) Half-yearly examinations were more difficult.
- B) Annual examinations were more difficult.
- C) Both the examinations had almost the same difficulty level.
- D) The two examinations cannot be compared to difficulty level.
- 2. The variable C is an integer. Is C even? Statements:
  - (a) C + 6 is even
  - (b) C 5 is odd
    - A) If (a) alone is sufficient to answer the question.
    - B) If (b) alone is sufficient to answer the question.
    - C) If (a) and (b) together are necessary to answer the question.
    - D) If either (a) or (b) is sufficient to answer the question.

| 3. | If SAUCER 1 | s coded as TBV. | BDQ, how is TO | WN coded? |
|----|-------------|-----------------|----------------|-----------|
|    | A) UPXO     | B) PUOX         | C) UPVM        | D) UPYM   |

4. Two statements are followed by a few conclusions i, ii, iii and iv. Assume the given statements to be true, even if they seem to be at variance with commonly known facts and choose your answer from the given choices A, B, C and D.

All bags are phones.

Some batteries are phones

Conclusions:

A) (iv) follows

- i. All phones are bags.
- ii. All phones are batteries.
- iii. Some bags are phones.
- iv. Some bags are not batteries
- 5. An accurate clock shows 10 o'clock in the morning. Through how may degrees will the hour

B) (ii) follows C) (iii) follows D) (i) follows

| hand rotate | when the clock she | ows 3 o'clock in the afternoon? | •       |
|-------------|--------------------|---------------------------------|---------|
| A) 144°     | B) 150°            | C) 168°                         | D) 180° |